
ASA LOUIS

WASHINGTON STATE PATROL TOXICOLOGY LABORATORY
2203 AIRPORT WAY SOUTH
SEATTLE WA 98134
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WORK HISTORY

Washington State Patrol, Seattle WA

Forensic Scientist - Toxicology

Jan 2003 - May 2005, May 2006 - present

- ◆ Accession, extract and analyse forensic samples for presence of legal and illegal substances
- ◆ Report findings
- ◆ Testify in court of law pertaining to findings, and as an Expert Witness
- ◆ Maintain instrumentation, develop and/or refine analytical methodologies
- ◆ Conduct "drinking labs" to investigate effects of alcohol on human performance
- ◆ Participate in "In Field Observation / Ride-along" program with police agencies

Mayo Clinic, Rochester MN

Development Technologist

May 2005 - May 2006

- ◆ Update and improve existing methods, implement validated new technology
- ◆ Organize validation data, prepare data for peer review, presentation and/or publication
- ◆ Investigate, install and evaluate laboratory equipment
- ◆ Train laboratory staff in principles of new/modified methods

Provincial Toxicology Centre, Port Coquitlam BC

Forensic Analyst

Sep 1991 - Apr 1992, Jul 1996 - Dec 2002

- ◆ Prepare, quantitatively and qualitatively analyse samples for abusive and non-abusive substances
- ◆ Report forensic and clinical results
- ◆ Testify in court of law pertaining to findings
- ◆ Maintain instrumentation, develop and/or refine analytical methodologies
- ◆ Accession forensic and clinical samples

ASL Laboratories, Vancouver BC

Section Co-ordinator, Purchaser

May 1992 - Jun 1996

- ◆ Co-ordinate daily activities of 3-4 staff members in the Extractable Hydrocarbons Group
- ◆ Prepare and quantify samples for organic compound content
- ◆ Accession samples for testing, sublet samples to support laboratories
- ◆ Purchase, receive and distribute materiel from suppliers
- ◆ Member of Emergency Spill Response Team

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ACADEMIC HISTORY

Post Baccalaureate Diploma Program - Environmental Toxicology

Simon Fraser University. Graduated: Apr 1992

Bachelor of Science - Biochemistry

University of British Columbia. Graduated: Apr 1988

RELATED SKILLS

- ◆ Mass Selective Liquid Chromatography
- ◆ Mass Selective Gas Chromatography
- ◆ Gas Chromatography
- ◆ High Pressure Liquid Chromatography
- ◆ Radio-Immuno Assay Techniques
- ◆ Colloidal Immuno Assay Techniques
- ◆ Ultraviolet Spectrophotometry
- ◆ Thin Layer Chromatography
- ◆ Supercritical Fluid Extraction
- ◆ Solid Phase Extraction Chromatography
- ◆ Atomic Absorption Spectrophotometry
- ◆ Aseptic Microbiological Techniques
- ◆ Analytical Paper Chemistry Techniques
- ◆ Corel WordPerfect Suite 8
- ◆ Microsoft Windows 95, NT, XP

- 2006 Mayo Clinic – Analyst Advanced Training (J Withers, Applied Biosystems)
- 2006 Mayo Clinic – Oral Fluids – Research and Applications (Dr. M Wagner, NH State Police)
- 2005 Mayo Clinic – Development Quality School
- 2004 Seattle Police Department – DUI Detection and Standardized Field Sobriety Testing (NHTSA)
- 2004 Northwest Assoc. For. Sci. – Marijuana: A Forensic Symposium
- 2004 Northwest Assoc. For. Sci. – Forensic Applications of LCMS
- 2004 Northwest Assoc. For. Sci. – GC/MSD maintenance
- 2003 Indiana University – Robert F Borkenstein course on Alcohol and Highway Safety
- 2003 Soc. Forensic Toxicologists - Principles of Sample Preparation
- 2003 Soc. Forensic Toxicologists - Practical Applications of LCMS in Routine Forensic Toxicology
- 2003 Washington State Patrol - Standard Field Sobriety Test Training (Refresher)
- 2003 Canadian Soc. For. Sci. - The A-Z of Marijuana
- 2003 Canadian Soc. For. Sci. - Rave On! Chemical Drugs and the Rave Culture
- 2003 Washington State Patrol - Blood Alcohol Analyst
- 2002 Pittsburgh Conference – Intermediate LC/MS Techniques
- 2002 Can. Comm. Epidemiology Network/ADIC - Methamphetamine Environmental Scan Summit
- 2000 UBC - Radionuclide Safety and Methodology
- 1998 Riverview Hospital - Chance Encounters
- 1997 Riverview Hospital - Transportation of Dangerous Goods - Biological
- 1997 Riverview Hospital - Workplace Harassment
- 1995 ASL Labs - Transportation of Dangerous Goods - Chemical
- 1993 Hewlett-Packard - 5890 Troubleshooting and Maintenance
- 1992 ASL Labs - WHMIS
- 1992 Hewlett-Packard - HP Columns
- 1992 Greiner, Bethell & Company - Expert Witness

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REFERENCES

Available upon request

PUBLICATIONS

Langman LJ, Kaliciak, HK, Louis A. Death Attributed to Intravenous Oxycodone *Poster presentation - 55th Annual American Academy of Forensic Sciences (AAFS) Meeting, Chicago, IL, Feb 17 - 22, 2003.